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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/613,162

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Xuejun You

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EXAMINER

RUSSELL, WANDA Z

ART UNIT

PAPER NUMBER

2616

MAIL DATE

DELIVERY MODE

08/29/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/613,162

Applicant(s)

YOU ET AL.

Examiner

Wanda Z. Russell

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 7/13/2007 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description.

In Fig. 1, 8G-N and N are not described in the specification.

In Fig. 2, the two symbols before "B" is not recognizable. It should be Δ according to the specification.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), and amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office Action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office Action. The objection to the drawings will not be held in abeyance.

Specification

2. The disclosure is objected to because of the following informalities:

In [0005], on 2nd line, the "two" seem wrong compared to "thirty" in [0004], 6th line.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. **Claims 1-9** are rejected under 35 U.S.C. 102(e) as being anticipated by Svacek et al. (Pub No. US 2002/0163937 A1).

For **claim 6**, Svacek et al. teach an apparatus (Fig. 2) for dynamic allocation of slot bandwidth (Title), comprising:

N slots (Fig. 2, and [0025], last 5 lines), wherein N denotes the number of slots for dynamic bandwidth allocation (N=16 in Fig. 2. See [0025], last 5 lines);

B/ ΔB pieces of N-selected-one devices (each module among N modules, [0025], line 9 & lines 7-12), input bandwidth of every N-selected-one device being $N \cdot \Delta B$ (bandwidth in [0028], line 7, is $N \cdot \Delta B$ as claimed. $N \cdot \Delta B$ could be equal or less than B); wherein B (system's bandwidth in [0026], line 12, is B as claimed) denotes bandwidth need to be dynamically allocated; and ΔB (number of parallel bits to each slot in [0012], 3rd line from the end, is ΔB as claimed) denotes a minimum allocated bandwidth unit; N inputs of each N-selected-one device are connected with the N slots respectively (28-32 –Fig. 3, and [0029], lines 1-4), and an output of each N-selected- one device is

connected with a main switch module (34, 42, and 44 -Fig. 3. The combination of those 3 reads on switch module as claimed);

the main switch module (34, 42, and 44 -Fig. 3), arranged to control the N-selected-one devices being gated to allocate the bandwidth to gated slot ([0012], last 5 lines).

For **claim 7**, Svacek et al. teach the apparatus according to claim 6, further comprising:

a programmable logic chip, arranged to output strobe signals to control the N-selected-one devices being gated under control of the main switch module ([0033], line 4-5).

For **claim 8**, Svacek et al. teach the apparatus according to claim 7, wherein the programmable logic chip is an Electrically Programmable Logical Device (EPLD) (computer PLD, [0033], line 4-5).

For **claim 9**, it is almost identical to claim 6, only for a special situation with slot number 2. N slots in the reference could be either greater than 2 or equal to 2.

Therefore it is rejected for the same reason above.

For **claims 1-5**, they are method claims of claims 6-9; therefore they are rejected for the same reason above.

Response to Amendment

5. Applicant's amendment filed July 13, 2007 has been received and considered.

Response to Arguments

6. Applicant's arguments with respect to claim(s) 1-5 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wanda Z. Russell whose telephone number is (571) 270-1796. The examiner can normally be reached on Monday-Thursday 9:00-6:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

WZR

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Seema S. Rao
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